

===== WPI =====

TI - Solid electrolyte fuel battery - has separator comprising ferrite stainless steel coated on cathode surface side with first and second overcoats of specified composition

AB - J10092446 The fuel battery includes a separator (6) which is sandwiched between an anode and cathode. The anode, cathode and a solid electrolyte layer are alternately layered over a flat cell substrate. A separator is made of SUS430 of ferrite stainless steel on whose cathode surface side a first overcoat (61) of (LaSr)MO₃ is layered. M is chosen from Co, Mn or Cr. A second overcoat (62) consisting of MnO₃ is layered over the first overcoat.

- ADVANTAGE - Good workability and uniformity. Prevents increase in electrical resistance by oxidation.
- (Dwg.1/8)

PN - JP10092446 A 19980410 DW199825 H01M8/02 012pp

PR - JP19960265138 19960913

PA - (FUEL) FUJI DENKI SOGO KENKYUSHO KK

MC - L03-E04

DC - X16-C01A X16-E06A

IC - H01M4/88 ;H01M8/02 ;H01M8/12

AN - 1998-277658 [25]

===== PAJ =====

TI - SOLID ELECTROLYTE TYPE FUEL CELL

AB - PROBLEM TO BE SOLVED: To provide the solid electrolyte type fuel cell where the difference in thermal expansion with an electrolyte layer is small, the aforesaid cell is low in price, excellent in workability, and is provided with a metallic separator having no fear of an increase in electrical resistance due to oxidation.

- SOLUTION: In the solid electrolyte type fuel cell which is so constituted as to allow each cell comprising each anode, each solid electrolyte and each cathode laminated over a plate shaped cell base, to be alternately laminated over each separator 6 made out of metallic material, the separator 6 is made out of, for example, stainless steel in a ferrite series, that is, SUS 430, and a first protection film 61 made out of, for example, a heat resistant alloy HA230, and a second protection film 62 made out of, for example, (LaSr)MnO₃, are provided for a surface at the cathode side of the separator.

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PD - 1998-04-10

ABD - 19980731

ABV - 199809

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PA - FUJI ELECTRIC CORP RES & DEV LTD

IN - TAKENOIRI SHUNJI

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